



Title: "Integer Cycle Frequency Hopping
Modulation For The Radio Frequency
Transmission of High Speed Data"
Serial No. 10/765,442

Attorney Docket No. P031696-08UT
Responsive to Office Action Mailed April 17, 2006
Date: August 2, 2006

**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

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| Applicant: | Joseph A. Bobier |) | |
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| Serial No: | 10/765,442 |) | Group Art Unit: 2611 |
| | |) | |
| Filed: | January 27, 2004 |) | Examiner: Bocure, Tesfaldet |
| | |) | |
| For: | Integer Cycle Frequency Hopping |) | |
| | Modulation For The Radio Frequency |) | |
| | Transmission of High Speed Data |) | |
| | |) | |
| Attorney Docket: | P03196-08UT |) | |

Mail Stop Amendment
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

RESPONSE

In his Office Action mailed April 17, 2006, the Examiner rejected the claims as failing to comply with the written description requirement. The Examiner stated that the claims, as last amended with the newly added limitation"--- resulting in a spectral output of multiple frequencies spread over a broad spectral band during said altered 360 degree cycle," contain subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Applicant believes that the added limitation is just a statement of the physical result of what was originally stated in the specification in paragraphs 36 and 61 but not originally in the

claims, that is that "the spectral output of a transmitting device using this modulation scheme will be defined by the difference in frequency between the main carrier signal and the modulating frequency" which is in fact an output of multiple frequencies spread over a broad spectral band when the alteration of the 360 degree cycle occurs. Applicant has attached spectral plots showing that an unmodulated signal will not occupy any bandwidth, however, an integer cycle modulated signal occupies a wide bandwidth. However, in the amendment below, Applicant amends claims 1, 3, 9, and 12 by removing the previously added limitation and instead adds the language directly from the original specification in paragraphs 36 and 61 describing the resulting wave form in order to put this application in condition for allowance.

Applicant certainly appreciates the Examiner's assistance in this matter and now believes the claims clearly point out the invention as disclosed in the original application and that no new matter was added. Applicant respectfully requests the Examiner allow this important application, as amended, to proceed to issuance.